Snoqualmie Basin Technical Committee Meeting

Thursday, May 31, 1:30-3:30

Snoqualmie Public Works Conference Room 38191 Stearns Rd Snoqualmie, WA 98065

AGENDA

1.	Introductions	Tom Bean 1:30 – 1:40
2.	Advisory Committee Meeting Recap	Brian Murray 1:40 – 1:50
3.	New Project Summary Sheets – Discussion and Recommendations	Tom Bean 1:50 – 2:15
4.	Prioritized Project List – Discussion and Recommendations	Brian Murray 2:15 – 3:15
5.	Proposed Subregional Project Criteria	Brian Murray 3:15 – 3:30

King County FCZD Preliminary Project Prioritization Criteria

The following prioritization scheme is intended to help prioritize KCFCZD projects based on the imperative to complete each project from a flood risk/vulnerability perspective only. The basis for these criteria is the 2006 King County Flood Hazard Management Plan policies related to flood risk hierarchy (G-2) and project prioritization (PROJ-1). Legal responsibility, environmental impacts or benefits, benefit-cost analyses, and funding or other opportunistic criteria, are not included in this prioritization scheme, but may be added at a later date.

1) What is the current land use? (Consequences)

This criterion is intended to give different weights to different types of land uses. If more than one type of land use is at risk, select the applicable land use with the highest score. Use the score range provided to give more or less weight base on site specific conditions. For example a sole access road would be given a higher score than one for which a reasonable alternative route exists.

Description	Score
Critical Facilities (See list on page 2)	11-12
Residential	9-10
Commercial (Some commercial structures are critical facilities - see list)	7-8
Agricultural (FPP land should be given higher score than non FPP lands)	5-6
Developed Recreational (Those with regional importance should receive higher scores.)	3-4
Undeveloped land in floodplain or Moderate CMZ	1-2
Undeveloped land in floodway or Severe CMZ	0

2) How serious is the potential impact? (Consequences and Severity)

This criterion is intended to evaluate the nature and severity of the impacts irrespective of the scale at which the impact will occur. The scoring range can be used to differentiate between similar types of impact that have different liklihoods of occuring.

Description	Score
Human injury or death could result from deep fast flows or sudden changes in flood conditions.	9-12
(e.g. levee or road failure.)	
Total loss of developed land use (e.g. developed land is converted to river channel.)	7-8
Severe flood or erosion damage that will heavily impact those affected.	5-6
Moderate flood or erosion damage which will not likely have a long term impact on those	3-4
affected.	
Flooding that interrupts human activity or will result in some clean up needs but which will	1-2
results in little or no damage that will need to be repaired.	

3) How extensive will the impact be? (Consequences and Severity)

This criterion describes the scale of the problem. Is the problem manifest over a large area or in a manner that will affect a large number of people, or is it largely localized. In instance were the physical impact is over a small area, but a larger number of people will be affected, apply score based on the impact rather that just the physical area. Scoring range can be used to differentiate between different degrees of extensivness within the listed catagories.

Description	Score
Regional (Impacts will be felt well outside the area in which the flooding or erosion occurred.)	7-8
Severe (City centers, larger neighborhood)	5-6
Moderate (Several structures, roads et impacted)	3-4
Localized (Affects a few homes or business)	1-2

4) How soon will the impact occur? (Urgency)

Project Prioritization 5/10/07

This criterion is used to describes how soon the flood risk needs to be addressed to avoid its occurrence or reoccurrence.

Description	Score
Some or all of the damages described will likely occur or recur during the next major high flow	5-6
event.	
Damages may occur during the next high water event, or the potential for them to occur is	3-4
rapidly increasing.	
Damages will eventually occur, but the risk of them occuring is not increasing rapidly	1-2

Critical Facilities Defined

The following list is intended to help understand what constitutes a "Critical Facility". This list has been compiled from the KC Critical Areas Ordinance and the International Building Code.

- 1. Facilities in which > 300 people congregate
- 2. Daycares, elementary schools and secondary schools with > 250 people
- 3. College and adult education facilities with > 50 people
- 4. Hospitals and Healthcare facilities with > 50 resident patients
- 5. Jails and detention facilities
- 6. Facilities with > 5000 occupants
- 7. Power, Wastewater and potable water treatment facilities
- 8. Fire, rescue and police facilities
- 9. Designated emergency shelters
- 10. Power generation and public utility faculties
- 11. Aviation facilities
- 12. Critical national defense facilities
- 13. Nursing and personal care facilities
- 14. Senior citizen assisted housing
- 15. Public roadways and bridges
- 16. Sites that produce, use or store hazardous substances or hazardous waste (not including sites that temporarily store household products intended of sale on the site)

Ordinance 15051 (CAO), lines 605 - 614

Critical facility: a facility necessary to protect the public health, safety and welfare including, but not limited to, a facility defined under the occupancy categories of "essential facilities," "hazardous facilities" and "special occupancy structures" in the structural forces chapter or succeeding chapter in the K.C.C. Title 16. Critical facilities also include nursing and personal care facilities, schools, senior citizen assisted housing, public roadway bridges and sites that produce, use or store hazardous substances or hazardous waste, not including the temporary storage of consumer products containing hazardous substances or hazardous waste intended for household use or for retail sale on the site.

Section 1602 International Building Code

Esseintial Facilities. Buildings and other structures that are intended to remain operational in the event of extreme environmental loading from flood, wind, snow or earthquakes.

Project Prioritization 5/10/07

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Snoqualmie Risk Prioritized Project List

			How			
			serious is	How	How soon	
		What is the		extensive	will the	
		current	potential	will the	impact	
Project Name	Project Description	land use?	impact?	impact be?	occur?	Total Score
Tolt Pipeline Protection	Stabilize riverbank using engineered logjams.	12	8	8	4	32
Middle Fork Snoqualmie River	Complete two Middle Fork	10	12	5	5	32
Flood Damage Repairs	Snoqualmie flood protection					
	facility repair projects.					
Lower Snoqualmie River Flood	Complete 23 Lower Snoqualmie	11	12	4	4	31
Damage Repairs	River flood protection facility repair					
	projects.					
South Fork Snoqualmie Flood	Complete 16 South Fork	12	6	7	6	31
Damage Repairs	Snoqualmie River flood protection					
	facility repair projects.					
City of Snoqualmie Natural Area	Purchase flood prone property	10	8	6	6	30
Acquisitions	and structure.					
South Fork Levee System	Rebuild and strengthen selected	12	6	7	5	30
Improvements	portions of the existing levee					
	system in a manner that maintains					
	current preferential protection of					
	the more heavily developed parts					
	of the City of North Bend.					
Raging River Flood Damage	Complete twelve Raging River	10	10	5	4	29
Repairs	flood protection facility repair					
	projects.					
Middle Fork Levee System	Remove levee segments to	10	8	7	4	29
Capacity Improvements	reduce channel constrictions					
	which hinder flood conveyance.				_	
Aldair Buyout	Remove existing homes from low-	10	6	6	6	28
	lying ground immediately behind					
	the deteriorating Aldair levee.			_	_	
Lower Snoqualmie River	Purchase and remove structure,	10	6	6	6	28
Repetitive Loss Mitigation	or otherwise mitigate flood risks to					
AL: NA NAL!! II D	ten repetitive loss properties.	40	4.0	_		00
Alpine Manor Mobile Home Park	Purchase and remove homes at	10	10	5	3	28
Neighborhood Buyout	risk from flooding and channel					
Laura Talk Disaa Aaasiakiaa	migration.	40	0	7	2	00
Lower Tolt River Acquisition	Purchase floodway property to	10	8	7	3	28
	avoid damage in flood prone area.					
San Souci Neighborhood Buyout	Purchase homes in high flood and	10	10	5	3	28
San Souci Neighborhood Buyout	erosion hazard area.	10	10	5	3	20
Tolt River Flood Damage Repairs	Complete two Tolt River flood	11	8	5	4	28
Toll River Flood Damage Repairs	protection facility repair projects.	''	0	3	4	20
Tolt River Repetitive Loss	Elevate or otherwise mitigate flood	10	6	6	6	28
Mitigation	risks to repetitive two repetitive	10	U	0	0	20
Iviligation	loss properties.					
Tolt River Road Shoulder	Install 200 feet of buried rock	11	8	5	4	28
Protection	riprap along the shoulder of the		U	3	_	20
	Tolt River Road to protect the road					
	from active channel migration.					
	nom douve onaliner migration.					
North Bend Area Residential	Reduce flood risks to homes in the	10	8	6	4	28
Flood Mitigation	North Bend area. Initially focus on			l		
	five unmitigated repetitive loss					
	properties and surrounding areas.					
	Free State Carrounding Group.					
		1		1	1	1

Snoqualmie Risk Prioritized Project List

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			Ham	Hawasan	
	100 - 4 1 - 41				
					Total Score
	10	7	5	4	26
· ·					
Remove channel constriction at	10	8	4	4	26
old bridge site.					
Purchase two homes that are at	10	9	3	4	26
risk from flood damages and					
reconfigure the downstream end					
of the Edenholm levee to improve					
•					
	10	7	4	4	25
		-			
•					
Durchage 16 flood prope percels	10	6	2	4	23
	10	О	3	4	23
bridge.					
Set back levee to improve flood	10	6	4	3	23
conveyance.					
Purchase property that is being	10	6	1	4	21
impacted by alluvial fan					
development where a tributary to					
Patterson Creek enters the					
floodplain.					
Stabilize bank with native	6	7	2	6	21
vegetation to protect agricultural					
	10	5	5	1	21
				-	
	6	7	3	4	20
	O	,		7	20
Todu and two farm buildings.					
Durchase form which is at risk of	10	1	2	1	20
	10	4	2	4	20
		7			20
	Ö	′	'	О	20
ог аупсинитаг ргорепу.					
0.135 1 1 22 23	40				4.0
	10	5	2	1	18
	3	8	1	6	18
park.					
	6	6	3	2	17
improve flood conveyance and					
storage.					
	Purchase two homes that are at risk from flood damages and reconfigure the downstream end of the Edenholm levee to improve flood conveyance. Relocate the north end of Neal Road away from eroding riverbank. Road is currently closed due to subgrade damage, limiting emergency access to frequently flooded farms. Purchase 16 flood-prone parcels and approximately 1.5 acres of Remlinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge. Set back levee to improve flood conveyance. Purchase property that is being impacted by alluvial fan development where a tributary to Patterson Creek enters the floodplain. Stabilize bank with native vegetation to protect agricultural lands. Setback levee system to improve flood conveyance through Fall City. Relocate creek away from a farm road and two farm buildings. Purchase farm which is at risk of being isolated by bank erosion. Install drift fence to reduce erosion of agricultural property. Stabilize bank with native vegetation to protect agricultural lands. Stabilize bank with native vegetation to protect agricultural lands. Stabilize bank to protect public park. Reconnect adjacent floodplain to improve flood conveyance and	Remove or set back part of levee and reconnect the floodplain and river channel. Remove channel constriction at old bridge site. Purchase two homes that are at risk from flood damages and reconfigure the downstream end of the Edenholm levee to improve flood conveyance. Relocate the north end of Neal Road away from eroding riverbank. Road is currently closed due to subgrade damage, limiting emergency access to frequently flooded farms. Purchase 16 flood-prone parcels and approximately 1.5 acres of Remlinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge. Set back levee to improve flood conveyance. Purchase property that is being impacted by alluvial fan development where a tributary to Patterson Creek enters the floodplain. Stabilize bank with native vegetation to protect agricultural lands. Setback levee system to improve flood conveyance through Fall City. Relocate creek away from a farm road and two farm buildings. Purchase farm which is at risk of being isolated by bank erosion. Install drift fence to reduce erosion of agricultural property. Stabilize bank with native vegetation to protect agricultural lands. Stabilize bank with native vegetation to protect agricultural lands. Reconnect adjacent floodplain to improve flood conveyance and	Remove or set back part of levee and reconnect the floodplain and river channel. Remove channel constriction at old bridge site. Purchase two homes that are at risk from flood damages and reconfigure the downstream end of the Edenholm levee to improve flood conveyance. Relocate the north end of Neal Road away from eroding riverbank. Road is currently closed due to subgrade damage, limiting emergency access to frequently flooded farms. Purchase 16 flood-prone parcels and approximately 1.5 acres of Remlinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge. Set back levee to improve flood conveyance. Purchase property that is being impacted by alluvial fan development where a tributary to Patterson Creek enters the floodplain. Stabilize bank with native vegetation to protect agricultural lands. Setback levee system to improve flood conveyance through Fall City. Relocate creek away from a farm road and two farm buildings. Stabilize bank with native vegetation to protect agricultural lands. Stabilize bank with native vegetation to protect agricultural lands. Stabilize bank with native vegetation to protect agricultural lands. 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Reconnect adjacent floodplain to improve flood conveyance and	Remove or set back part of levee and reconnect the floodplain and river channel. Remove channel constriction at old bridge site. Purchase two homes that are at risk from flood damages and reconfigure the downstream end of the Edenholm levee to improve flood conveyance. Relocate the north end of Neal Road away from eroding riverbank. Road is currently closed due to subgrade damage, limiting emergency access to frequently flooded farms. Purchase 16 flood-prone parcels and approximately 1.5 acres of Remilinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge. Stet back levee to improve flood conveyance. Purchase 16 flood-prone parcels and approximately 1.5 acres of Remilinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge. Stet back levee to improve flood conveyance. Purchase property that is being impacted by alluvial fan development where a tributary to Patterson Creak enters the floodplain. Stabilize bank with native vegetation to protect agricultural lands. Purchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. Furchase farm which is at risk of being isolated by bank erosion. 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Snoqualmie Risk Prioritized Project List

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		MII (!- (I	serious is	<u>How</u>	How soon	
		What is the	the_	extensive	will the	
5 1 2 1		current	potential	will the	impact	
Project Name	Project Description	land use?	impact?	impact be?		Total Score
Lower Snoqualmie Floodplain	Reconnect the river with its	9	5	1	1	16
Capacity and Shoreline	floodplain and increase floodplain					
Stabilization	capacity. Stabilize the shoreline					
	with native vegetation.					
HerbCo Farm	Stabilize bank with native	5	5	2	3	15
	vegetation to protect agricultural					
	lands.					
Tolt River Mouth to SR 203 Levee	Set back existing levee to improve	4	4	3	4	15
Setback - Technical Support	flood conveyance.					
Jubilee Farm	Stabilize bank with native	6	5	2	1	14
	vegetation to protect agricultural					
	lands.					
Upper Snoqualmie River Flood	Complete one Upper Snoqualmie	4	4	4	2	14
Damage Repairs	Mainstem River flood protection					
	facility repair project.					
Gonneson Revetment Removal /	Purchase land and remove bank	5	1	1	1	8
Acquisition	armor to allow the Snoqualmie					
	River to migrate laterally along					
	meander bend.					
Snoqualmie River Footbridge Off	Reconnect floodplain for flood	4	2	1	1	8
Channel Reconnection	storage and to reduce risk of					
	damage to properties on the					
	opposite bank.					
Camp Gilead Off-Channel	Remove upstream and of levee to	0	1	1	1	3
Reconnection	improve flood conveyance.					
Cherry Creek Mouth Restoration	Restore channel to its circa 1960	0	1	1	1	3
	alignment to create approximately					
	2000 feet of new channel.					
Chinook Bend Reach Restoration	Remove levees to allow river to	0	1	1	1	3
SSon Bond Rodon Rodondilon	better access to the floodplain.		i i	· ·		
	Provide remaining match.					
Stillwater Restoration	Remove levees and stabilize	0	1	1	1	3
Cambridge (Coloration)	banks with native vegetation.		'	'	'	
	barno with hative vegetation.					

GENERAL INFORMATION 1. Project Name: **2. Project Proponent** (Name and Agency): 3. Basin/Watershed: 4. Project Type: check all that apply. See Criteria/Policy Handout for additional project type description. Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list ____ Sub-regional project proposal, not currently on the draft KC FCZD CIP list, 5. Total Estimated Project Cost (all phases): \$ 6. Proposed Local Share (if sub-regional project). Provide other actual local share if known or proposed, if not known: LOCATION INFORMATION 7. Downstream River Mile # to Upstream RM #: 8. Right bank, Left bank, or Both banks: 9. Jurisdiction(s): 10. Public or Private lands: 11. Agriculture Production District or Farmland Preservation Program lands: yes/no/do not know

PROJECT INFORMATION

12. What's At Risk:

13. Problem Statement:

14. Proposed Project or Action:

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

15.	Project Benefits:
16.	Coordination Needs:
17.	Other Information or Needs:
	OJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for anded policy text and criteria, used to generate draft KC FCZD CIP lists)
18.	Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
19.	Threats to public safety: Damage to public infrastructure: Impacts on the regional economy: Damage to private structures: Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
	 The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities:
20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal) 0-2 years 3-6 years 6+ years
21.	Is the project identified within an adopted local hazard mitigation plan? Yes No
22.	Do property interests need to be acquired (fee simple or easement) for this project? Yes No
23.	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests? Yes No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

- 1. Project Name: Supplemental Study of the Tolt and Tolt/Snoqualmie Confluence
- 2. Project Proponent (Name and Agency): City of Carnation
- 3. Basin/Watershed: Snoqualmie/WRIA 7
- 4. Project Type: check all that apply. See Criteria/Policy Handout for additional project type description.
 X Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list
 Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list
 Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
- 5. Total Estimated Project Cost (all phases): \$100,000

LOCATION INFORMATION

- 7. **Downstream River Mile # to Upstream RM #:** Tolt 0 to 2; Snoqualmie 25 to 23
- 8. Right bank, Left bank, or Both banks: Tolt Right bank; Snoqualmie Right bank
- **9. Jurisdiction(s):** City of Carnation/King County
- 10. Public or Private lands: Both
- 11. Agriculture Production District or Farmland Preservation Program lands: yes/no/do not know no

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

PROJECT INFORMATION

- **12. What's At Risk:** Public health and safety of existing population, private property and public infrastructure. Carnation cannot effectively plan for flood control projects to help mitigate flood hazards from the Tolt or Snoqualmie Rivers without further study.
- 13. Problem Statement: An analysis of the potential floodplain reconnection project that is identified as an existing project in the Draft KC FCZD CIP list was prepared by Parametrix for Seattle City Light and King County, and completed in 2001. A second study of the Lower Tolt River Floodplain Reconnection project was competed in January 2004. The second study evaluated the potential impact of the proposed floodplain reconnection project on flood hazard within the City of Carnation, and concluded that the project was neutral or slightly beneficial in mitigating flood hazard. While the project does not appear to increase flood hazard, there have been no studies that evaluate how to improve mitigation of potential flood hazard to the City of Carnation from the Tolt River or its confluence with the Snoqualmie.
- **14. Proposed Project or Action:** Supplemental Study of the Tolt and Tolt/Snoqualmie confluence, in conjunction with King County.
- **15. Project Benefits:** The study would allow better integration of flood hazard mitigation into proposed projects on the Tolt River, and, potentially, would enable the City of Carnation to add appropriate projects to the KC FCZD CIP list in future.
- **16. Coordination Needs:** King County, City of Carnation
- **17. Other Information or Needs:** Unknown at this time

PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)

		2 Flood Risks : please check all that apply, as to be addressed by the proposed project and prief description of the risk.
10	$-\frac{}{}$	Threats to public safety: Damage to public infrastructure: Impacts on the regional economy: Damage to private structures:
		OJ-1 Prioritizing Flood Risks : please check all that apply, associated with proposed d include a brief description of the risk.
		The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities:

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal
	_ <u>X</u> 0-2 years 3-6 years 6+ years
21.	Is the project identified within an adopted local hazard mitigation plan?
	Yes
	<u>X</u> No
22.	Do property interests need to be acquired (fee simple or easement) for this project?
	Yes
	<u>X</u> No
23.	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?
	Yes
	No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

- 1. Project Name: Clough Creek Outfall to South Fork Snoqualmie River
- 2. Project Proponent (Name and Agency): Ronald Garrow, City of North Bend
- **3. Basin/Watershed:** South Fork Snoqualmie River (Upper Snoqualmie River)

4.	Project Type: check all that apply. See Criteria/Policy Handout for additional project type description.
	 x Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
5.	Total Estimated Project Cost (all phases): \$ 250,000

LOCATION INFORMATION

- 7. Downstream River Mile # to Upstream RM #: Approximately Mile 4.3
- 8. Right bank, Left bank, or Both banks: Left Bank
- **9. Jurisdiction(s):** King County
- 10. Public or Private lands: Public
- 11. Agriculture Production District or Farmland Preservation Program lands: yes/no/do not know NO

PROJECT INFORMATION

- 12. What's At Risk: Homes along the south/west bank of the South Fork Snoqualmie River.
- **13. Problem Statement:** The outfall of Clough Creek to the South Fork Snoqualmie River is undersized causing Clough Creek to jump its banks and flow behind the South Fork levee contributing to the flooding of properties downstream of this point.
- **14. Proposed Project or Action:** The outfall pipe is to be replaced with a larger sized culvert and backflow preventer. This work should be included as part of the South Fork Levee System Improvements project for the Upper Snoqualmie River.
- **15. Project Benefits:** Reduced flooding and damage to public and private properties and avoidance of isolation of the neighborhood south of I-90 during an event.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

16.	Coordination Needs:	This work needs to be coordinated with and included in the South Fork Leve	ee
	System Improvements	roject of the Upper Snoqualmie River.	

17.	Other	Information	or	Needs:
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PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)

include a brief description of the risk.
x Threats to public safety:x Damage to public infrastructure: Impacts on the regional economy:x Damage to private structures: Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
 x The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities:
Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal) _x 0-2 years 3-6 years 6+ years
Is the project identified within an adopted local hazard mitigation plan?x Yes No
Do property interests need to be acquired (fee simple or easement) for this project? Yesx No
If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests? Yes No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

- 1. **Project Name:** Gravel Bed Mining River
- 2. Project Proponent (Name and Agency): Ronald Garrow, City of North Bend
- **3. Basin/Watershed:** South Fork Snoqualmie River (Upper Snoqualmie River)

1.	Project Type: check all that apply. See Criteria/Policy Handout for additional project type description.
	Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list x Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
5.	Total Estimated Project Cost (all phases): \$ 200,000
5.	Proposed Local Share (if sub-regional project). Provide other actual local share if known or proposed, if not known: \$

LOCATION INFORMATION

- 7. **Downstream River Mile # to Upstream RM #:** Approximately Mile 3 to Mile 4.3
- 8. Right bank, Left bank, or Both banks: Channel Bottom
- **9. Jurisdiction(s):** King County/City of North Bend
- 10. Public or Private lands: Public
- 11. Agriculture Production District or Farmland Preservation Program lands: yes/no/do not know NO

PROJECT INFORMATION

- 12. What's At Risk: Homes and businesses along both sides of the South Fork Snoqualmie River.
- **13. Problem Statement:** The excess accumulation of gravel in the channel bottom of the South Fork Snoqualmie River reduces flow capacity compared to the channel configuration when the levee's were designed/built and causes a backwater effect and subsequent threat of overtopping of the existing levees.
- **14. Proposed Project or Action:** The channel bottom is to be mined to the level as anticipated for the proper functionality of the levees on both sides of the river.
- **15. Project Benefits:** Reduced risk of levee overtopping and reduced flooding and damage to public and private properties.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

- **16. Coordination Needs:** This work needs to be coordinated with private developments in the area. These developments may be able to utilize the material from the river as fill, thus minimizing the cost of mining the material.
- 17. Other Information or Needs:

PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)

18.	Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
19.	x Threats to public safety:x Damage to public infrastructure:x Impacts on the regional economy:x Damage to private structures: Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
	 x The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: _x_ Funding or partnership opportunities: (with private developments)
20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal x 0-2 years 3-6 years 6+ years
21.	Is the project identified within an adopted local hazard mitigation plan? Yesx_ No
22.	Do property interests need to be acquired (fee simple or easement) for this project? Yesx_ No
23.	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests? Yes No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

- 1. Project Name: SR202 Bridge Lengthening on South Fork Snoqualmie River
- 2. Project Proponent (Name and Agency): Ronald Garrow, City of North Bend
- **3. Basin/Watershed:** South Fork Snoqualmie River (Upper Snoqualmie River)

1.	Project Type: check all that apply. See Criteria/Policy Handout for additional project type
	description. Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list
	x Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
5.	Total Estimated Project Cost (all phases): \$ 3,000,000
5.	Proposed Local Share (if sub-regional project). Provide other actual local share if known or proposed, if not known:
	\$\$ \$0

LOCATION INFORMATION

- 7. **Downstream River Mile # to Upstream RM #:** Approximately Mile 2.8
- 8. Right bank, Left bank, or Both banks: Left Bank
- 9. Jurisdiction(s): Washington State Dept of Transportation/City of North Bend
- 10. Public or Private lands: Public
- 11. Agriculture Production District or Farmland Preservation Program lands: yes/no/do not know NO

PROJECT INFORMATION

- 12. What's At Risk: Homes and businesses along both sides of the South Fork Snoqualmie River.
- **13. Problem Statement:** The abutments of the SR202 bridge across the South Fork Snoqualmie River constrict the flow of flood waters causing a backwater effect and subsequent threat of overtopping of the existing levees. Floodwaters from the last event circumvented the bridge by overflowing the highway to the south of the bridge and overtopping the levees on both sides of the river, flooding the neighborhoods in this vicinity.
- **14. Proposed Project or Action:** The south side of the bridge could be extended with the south abutment changed to a pier and a new abutment installed further south. This would allow for more channel width and cross-sectional flow area for the river.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

15. Project Benefits: Reduced risk of levee overtopping and reduced flooding and damage to public and private properties.
16. Coordination Needs: This work needs to be coordinated with Washington State Department of Transportation.
17. Other Information or Needs:
PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)
18. Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
x Threats to public safety:x Damage to public infrastructure:x Impacts on the regional economy:x Damage to private structures: 19. Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
 x The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: _x_ Funding or partnership opportunities: (with WSDOT and BRAC)
20. Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal)
0-2 years 3-6 years 6+ years
21. Is the project identified within an adopted local hazard mitigation plan?
x Yes No
22. Do property interests need to be acquired (fee simple or easement) for this project?
x Yes No
23. If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?
Yes Nox_ Unknown
· · · · · · · · · · · · · · ·

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

PSS Risk Prioritized Project List

		ı	Ham		1	
			How .			
			serious is	How	How soon	
		What is the		extensive	will the	
		<u>current</u>	<u>potential</u>	will the	<u>impact</u>	
Project Name	Project Description	land use?	impact?	impact be?	occur?	Total Score
PSS-Carnation-Supplemental	Planning study to identify best	11	9	5	3	28
Study	means of protecting Carnation					
	from Tolt River flood hazards					
PSS-NorthBend-Clough Creek	Increase culvert size and add gate	10	6	5	6	27
Outfall	structure to prevent backflow					
	'					
PSS-NorthBend-Gravel Mining	Remove gravel that has aggraded	11	6	5	6	28
	between the South Fork					
	Snoqualmie River levees					
PSS-NorthBend-SR202 Bridge	Improve flood flow capacity at	11	6	6	6	29
Lengthening	bridge crossing					
PSS-Seattle-Tolt Levee Setback	Supplemental funding for Tolt	4	4	3	4	15
	River Mouth to SR 203 Floodplain					
	Reconnection Project (already					
	included in FHMP Action Plan)					
PSS-SnoqTribe-Falls Dam	Remove dam and associated flow	10	7	6	5	28
Removal Study	impediments		·	Ů	Ü	
PSS-Snoqualmie-Kimball Creek	Maintenance of channelized creek	10	8	2	6	26
l co chiquannio rinniban crock	that carries frequent river flood		Ŭ	_	Ü	
	flow					
PSS-Snoqualmie-Park Street	Acquisition of riverfront homes in	10	12	6	6	34
Acquisitions	floodway with frequent, deep			Ŭ	Ŭ	
. 1040.0110	flooding					
PSS-Snoqualmie-Sandy Cove	Biostabilization project to protect	3	8	1	6	18
Park	public park from erosion		Ŭ	· ·		'Ŭ
I UIN	pablic park from crosion					

GENERAL INFORMATION

1. Project Name: Tolt River Mouth to SR 203 Floodplain Reconnection Project

2. Project Proponent (Name and Agency): This is a joint project sponsored by King County DNRP, Seattle Public Utilities, and Seattle City Light.

Contact: Brent Lackey

Brent.Lackey@seattle.gov

(206) 684-7890

3. Basin/Watershed: Tolt River/ WRIA 7

т.	Troject Type: check an that apply. See efficial to oney transout for additional project type
	description.
	X Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list
	Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list
	Sub-regional project proposal, not currently on the draft KC FCZD CIP list,

Project Type: check all that apply See Criteria/Policy Handout for additional project type

5. Total Estimated Project Cost (all phases): \$6,000,000: \$1,000,000 requested

6.	Proposed Local Share (if sub-regional project).	Provide other actual local share if known or
	proposed, if not known:	
	\$ 0	
	\$ 0	

LOCATION INFORMATION

- 7. Downstream River Mile # to Upstream RM #: RM 0.0-0.5
- 8. Right bank, Left bank, or Both banks: Right Bank
- 9. Jurisdiction(s): Unincorporated King County
- 10. Public or Private lands: Public
- 11. Agriculture Production District or Farmland Preservation Program lands: No

PROJECT INFORMATION

Please see the project description for the Tolt River Mouth to SR 203 Floodplain Reconnection Technical Support project described in the Flood Hazard Management Plan. We proposed an additional \$1,000,000 to cover construction costs associated with the project.

- 12. What's At Risk: See the project description in the Flood Hazard Management Plan
- 13. Problem Statement: See the project description in the Flood Hazard Management Plan
- 14. Proposed Project or Action: See the project description in the Flood Hazard Management Plan
- 15. Project Benefits: See the project description in the Flood Hazard Management Plan

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

16. Coordination Needs: See the project description in the Flood Hazard Management Plan

17. Other Information or Needs: This project is a priority to both King County and the City of Seattle.

PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)

18.	Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
	 X Threats to public safety: See Flood plan X Damage to public infrastructure: See Flood plan Impacts on the regional economy: X Damage to private structures: See Flood plan
19.	Policy PROJ-1 Prioritizing Flood Risks : please check all that apply, associated with proposed project and include a brief description of the risk.
	 X The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: See Flood plan. X Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Levee replacement is not urgent, but project leverage opportunity for federal/state grants and Seattle funding (totaling >80%) will go away if construction delayed past 2008. Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: X Funding or partnership opportunities: More than 80% of identified funding comes from grants and City of Seattle partner. Expected to be retracted if full funding not available for 2008 construction start.
20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal)
	<u>X</u> 0-2 years <u>3-6 years</u> 6+ years
21.	Is the project identified within an adopted local hazard mitigation plan?
	X Yes No
22.	Do property interests need to be acquired (fee simple or easement) for this project?
	Yes No
23.	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?
	Yes No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

1.	Project Name: Snoqualmie Falls Dam Removal Study
2.	Project Proponent: Snoqualmie Indian Tribe
3.	Basin/Watershed: WRIA 7
4.	 Project Type: check all that apply. See Criteria/Policy Handout for additional project type description. Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
5.	Total Estimated Project Cost (all phases): \$ 100,000
6.	Proposed Local Share (if sub-regional project). Provide other actual local share if known or proposed, if not known: \$TBD
	DCATION INFORMATION Downstream River Mile # to Upstream RM #: 39.5-40
8.	Right bank, Left bank, or Both banks: Center of River
9.	Jurisdiction(s): Snoqualmie Tribe (Historical) /City of Snoqualmie/UTC/FERC
10.	Public or Private lands: Public water way /Dam is owned by PSE at this time.
11.	Agriculture Production District or Farmland Preservation Program lands: do not know
	OJECT INFORMATION What's At Risk: Flooding/Desecration of a sacred site/Destruction of an important touris resource.
13.	Problem Statement: The Dam causes increased flooding upstream According to FERC documents and reality

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

14.	Proposed Project or Action: Completely study the benefits of removal the cement weir and all other impediments to the flow of the Snoqualmie River over the dam.
15.	Project Benefits: Reduced flooding, reduced cost of flood clean up. Free Flowing waters for all people. Other benefits TBD
16.	Coordination Needs: Tribe, PSE, local, State and Federal Gov't.
17.	Other Information or Needs: TBD
	OJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for anded policy text and criteria, used to generate draft KC FCZD CIP lists)
18.	Policy G-2 Flood Risks: please check all that apply, as to be addressed by the proposed project
	_X Threats to public safety _X Damage to public infrastructure _X Impacts on the regional economy _X Damage to private structures.
19.	Policy PROJ-1 Prioritizing Flood Risks : please check all that apply, associated with proposed project
	 The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2. Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse. Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility. Funding or partnership opportunities
20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal)
	_X 0-2 years 3-6 years 6+ years
21.	Is the project identified within an adopted local hazard mitigation plan? Yes
	X_ No
22.	Do property interests need to be acquired (fee simple or easement) for this project? $_X_$ Yes

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

	No	О							
23.	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?								
	Yo	es Io	-TBD-						

** This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

1.	Project Name:	Kimball	Creek Drainage Basi	in
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- 2. Project Proponent (Name and Agency): Kirk Holmes, City of Snoqualmie
- 3. Basin/Watershed: WRIA 7

4.	Project Type: check all that apply. See Criteria/Policy Handout for additional project type
	description.
	Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP lis
	Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list
	X Sub-regional project proposal, not currently on the draft KC FCZD CIP list,

- 5. Total Estimated Project Cost (all phases): \$500,000.00
- **6. Proposed Local Share** (if sub-regional project). Provide other actual local share if known or proposed, if not known:

__X \$ 50,000.00 ___ \$ 0

LOCATION INFORMATION

- 7. Downstream River Mile # to Upstream RM #: RM 41
- 8. Right bank, Left bank, or Both banks: Both Banks
- 9. Jurisdiction(s): City of Snoqualmie, King County
- 10. Public or Private lands: Public, Private
- 11. Agriculture Production District or Farmland Preservation Program lands: NO

PROJECT INFORMATION

- 12. What's At Risk: Property, structures, domestic farm animals.
- 13. Problem Statement: The Kimball Creek basin used to apply maintenance practices to keep drainage ditches, culverts, and standing water flowing freely. This basin has been without maintenance for well over 10 years resulting in a silting in of culverts and ditches. Usable acreage is now under the influence of standing water and swamps, creating significant problems for the owners and the City.
- **14. Proposed Project or Action:** Propose re-channeling of the Kimball Creek channel in the reach between SE 384th and Meadowbrook Way.
- **15. Project Benefits:** Removes standing flood waters from property.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

16. Coordination Needs: Local, State, and Federal.
17. Other Information or Needs:
PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)
18. Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
Threats to public safety: Damage to public infrastructure: Impacts on the regional economy: Damage to private structures: 19. Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
 X The consequences that will result if no action is taken. Consequences should be prioritize as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities:
20. Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposa
21. Is the project identified within an adopted local hazard mitigation plan?
X_ Yes No
22. Do property interests need to be acquired (fee simple or easement) for this project?
X_ Yes No
23. If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?
X_ Yes No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

LOCATION INFORMATION

- 7. Downstream River Mile # to Upstream RM #: Approximately RM 41 to 42
- 8. Right bank, Left bank, or Both banks: Left Bank
- 9. Jurisdiction(s): City of Snoqualmie
- 10. Public or Private lands: Private
- 11. Agriculture Production District or Farmland Preservation Program lands: No

PROJECT INFORMATION

12. What's At Risk: Properties and structures within the delineated Snoqualmie River FEMA Floodway in the City of Snoqualmie, in particular, those properties located on the immediate left bank of the Snoqualmie River on Park Street SE.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

13. Problem Statement: Repetitive loss properties.	
14. Proposed Project or Action: Purchase properties along the left bank of the Snoqualmie River.	
15. Project Benefits: Reduce repetitive losses, remove property and population from the banks of the river.	
16. Coordination Needs: Local, State and Federal.	
17. Other Information or Needs:	
PROJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for expanded policy text and criteria, used to generate draft KC FCZD CIP lists)	
18. Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project an include a brief description of the risk.	d
 X Threats to public safety: X Damage to public infrastructure: X Impacts on the regional economy: X Damage to private structures: 19. Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk. 	
 X The consequences that will result if no action is taken. Consequences should be prioriti as identified in Policy G-2: Urgency, where urgency is a measure of how quickly an action needs to be taken in ord to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contract relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities: 	er
20. Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project propo	sal)
0-2 years 3-6 years X 6+ years	
21. Is the project identified within an adopted local hazard mitigation plan?	
Yes No	
22. Do property interests need to be acquired (fee simple or easement) for this project?	
X_ Yes No	
23. If property interests need to be acquired, is the landowner willing to sell or sign a voluntary	

letter of agreement, expressing an interest in selling necessary property interests?

^{**} This project company sheet contains planning level information and proliminary cost activates; final cost

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

<u>X</u> _	_ Yes
	No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

GENERAL INFORMATION

- 1. Project Name: Sandy Cove Park Bio-Stabilization and Restoration
- 2. Project Proponent (Name and Agency): Kirk Holmes, City of Snoqualmie
- 3. Basin/Watershed: WRIA 7

4.	Project Type: check all that apply. See Criteria/Policy Handout for additional project type
	description.
	X Proposed supplement to an existing project, identified as part of the Draft KC FCZD CIP list
	Newly identified major river flood CIP, not currently on the Draft KC FCZD CIP list
	Sub-regional project proposal, not currently on the draft KC FCZD CIP list,
_	Total Estimated Dusingt Cost (all phases), \$ 650,000,00

5. Total Estimat	tea Project Cost	(all phases):	\$ 650,000.00
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6.	Proposed Local Share (if sub-regional project). Provide other actual local share if known or
	proposed, if not known:
	<u>X</u> \$ <u>65,000.00</u>
	\$0

LOCATION INFORMATION

- 7. Downstream River Mile # to Upstream RM #: Approximately RM 41
- 8. Right bank, Left bank, or Both banks: Left Bank
- 9. Jurisdiction(s): City of Snoqualmie
- 10. Public or Private lands: Public
- 11. Agriculture Production District or Farmland Preservation Program lands: NO

PROJECT INFORMATION

The City of Snoqualmie proposes a budget of \$650,000.00 for a standard bio-stabilization project.

- 12. What's At Risk: City owned open space, neighboring private property owners including structures.
- **13. Problem Statement:** Severe migrating erosion is occurring on this sandy bank. Each high water, an estimated two to three feet of high bank shoreline is lost in the river. The river channel, in essence is migrating towards the historic Snoqualmie Downtown area.
- **14. Proposed Project or Action:** A typical Bio-Stabilization project would appear adequate for this area.
- **15. Project Benefits:** Securing a migrating channel ensures local re-development and preservation of a valuable open space.

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.

16.	Coordination Needs: King County
17.	Other Information or Needs:
	OJECT PROPOSAL CRITERIA AND POLICY BASIS (See policy/criteria handout for anded policy text and criteria, used to generate draft KC FCZD CIP lists)
18.	Policy G-2 Flood Risks : please check all that apply, as to be addressed by the proposed project and include a brief description of the risk.
19.	X_ Threats to public safety:X_ Damage to public infrastructure:X_ Impacts on the regional economy: Damage to private structures: Policy PROJ-1 Prioritizing Flood Risks: please check all that apply, associated with proposed project and include a brief description of the risk.
	 X The consequences that will result if no action is taken. Consequences should be prioritized as identified in Policy G-2: X Urgency, where urgency is a measure of how quickly an action needs to be taken in order to prevent a risk from growing worse: Legal responsibility and authority, where legal responsibility and authority is a contractual relationship between King County and another person or agency to maintain a flood protection facility: Funding or partnership opportunities:
20.	Anticipated Project Start Date (to reflect feasibility, opportunity, and 'ripeness' of project proposal)
21.	Is the project identified within an adopted local hazard mitigation plan?
	X Yes No
22.	Do property interests need to be acquired (fee simple or easement) for this project?
	YesX No
	If property interests need to be acquired, is the landowner willing to sell or sign a voluntary letter of agreement, expressing an interest in selling necessary property interests?
	Yes Yes
	_ <u>X</u> _ No

^{**} This project summary sheet contains planning level information and preliminary cost estimates; final cost estimates will be developed as more detailed project level information is generated.